| | Application No. | Applicant(s) |
|---|---|---|
| **Notice of Allowability** | 10/024,363 | KUROIWA ET AL. |
| | Examiner | Art Unit |
| | Shawn Riley | 2838 |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.

2. ☒ The allowed claim(s) is/are *1-7*.

3. ☒ The drawings filed on *21 Dec 2001* are accepted by the Examiner.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None  of the:

       1. ☒ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____.

5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

    (a) ☐ The translation of the foreign language provisional application has been received.

6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

8. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached

       1) ☐ hereto or 2) ☐ to Paper No. _____.

    (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.

    (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).**

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachm nt(s)**

| | |
|---|---|
| 1 ☒ Notice of References Cited (PTO-892) | 5 ☐ Notice of Informal Patent Application (PTO-152) |
| 2 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 ☐ Interview Summary (PTO-413), Paper No. _____ . |
| 3 ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____ | 7 ☐ Examiner's Amendment/Comment |
| 4 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 ☐ Examiner's Statement of Reasons for Allowance |
| | 9 ☐ Other |

Shawn Riley
Primary Examiner
Art Unit: 2838

## DETAILED ACTION

1.       The following is an examiner's statement of reasons for allowance: No prior art uncovered anticipates or renders obvious applicant(s) claimed circuitry a first transistor having a control terminal corresponding to the bias current that the first bias current circuit supplies to the reference voltage circuit; and a second transistor having a control terminal to which there is applied the divided voltage, wherein the second transistor is turned on and the first transistor is turned off when the divided voltage has reached the conversion voltage; a second bias current circuit for generating a bias current to be supplied to the reference voltage circuit in response to the on-operation of the second transistor, based on the output voltage of the power transistor; and a bias switching circuit for stopping a bias-current supply by the first bias current circuit in response to starting of the operation of the second bias current circuit.  Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee.  Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### *Allowable Subject Matter*

1.       Claims 1-7 are allowable over the prior art of record.

### *Conclusion*

        Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Examiner Riley whose telephone number is 703.305.3487.  The Examiner can normally be reached Monday through Thursday from 7:30-6:00 p.m. Eastern Standard Time.    The Examiner's Supervisor is Mike Sherry who can be reached at 703.308.1680.  Any inquiry about a case's location, retrieval of a case, receipt of an amendment into a case or sending in correspondence to a case via fax **should be directed to 2800's Customer Service Center** at 703.306.3329.   The fax phone number for this Group is 703.305.7731 or 7732.  Any inquiry of a general nature of this application should be **directed to the Group receptionist** whose telephone number is 703.308.1782.

Nov 2003

*Shawn Riley*
*Primary Examiner*